

## Background

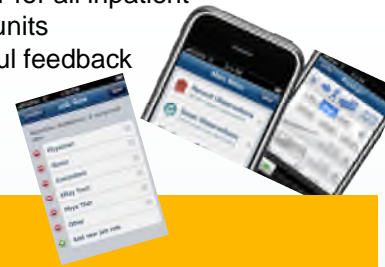
- Hand Hygiene (HH) is the primary mechanism to reduce HAIs
- Tracking HH compliance data is essential for infection prevention
- Historically, this facility used a paper tracking system for observed HH compliance
- Observations were completed across all shifts providing a true picture of unit culture with HH practices
- Observations were tabulated into a single form and faxed to the Infection Prevention (IPD) department
- Advances in hand held wireless technology provided a novel opportunity to increase efficiency in obtaining HH data
- iPod Touch™ technology has a free HH application allowing live data capture and immediate download

## Purpose

To develop a HH data collection system that was user friendly and allowed for real time follow up using the iPod Touch

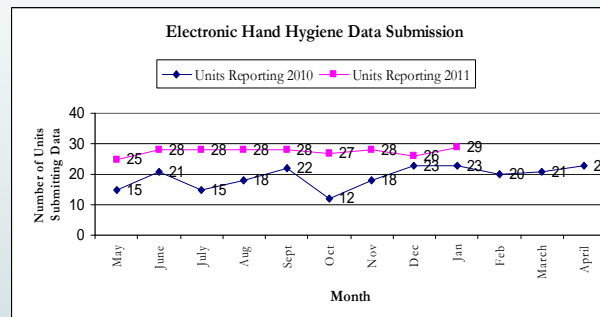
## Methods

- Infection Prevention Champions were trained on use of the iPod Touch for HH observation data collection
- Guidelines to complete observations, mark data for follow up, and downloading procedures were established
- Observations using the iPod began in May 2011 for all inpatient units (N=26), Emergency department, Dialysis units
- Data was reviewed real time allowing meaningful feedback
- iPod Touch data are reviewed at monthly Infection Prevention Champion meetings



## Outcomes

- Prior to the iPod, IP follow up with providers had an average lag time of 6 weeks and units did not consistently submit the minimum 50 HH observations
- By July 2011, 100% of units submitted at least 50 observations



- Hand hygiene observations varied from 2 to 265 per unit May 2010 to April 2011
- Minimum # of 50/month per unit enforced May 2011 for units to receive credit
- Since May 2011, 100% compliance with minimum 50 observations/unit was achieved

## Practice Implications

- Real-time, unit and provider specific HH compliance data improved the process for obtaining data and providing meaningful feedback
- The iPod time stamps each data entry providing verification of observations across all days and shifts, providing a true picture of unit culture
- The system allowed for more rapid intervention with non-compliant providers
- The iPod has allowed for better data collection to assist in the ongoing goals to improve HH
- The conversion from manual HH observations to the iPod Touch was well received by staff

## Acknowledgements

- Sue West RN, Director of Quality and Infection Prevention and Control for purchasing the iPods
- The Infection Prevention Team for their support with the roll out of the HH Data Monitoring initiative
- The Infection Prevention Champions for their commitment and hard work